

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

1980 ANNUAL OPERATIONS AND PROGRESS REPORT

(To be filed for each Mining Operation  
at the end of each calander year)

OPERATOR: <u>Cotter Corporation</u>	Bicentennial and MINE NAME: <u>Thornburg Memorial Mines</u>
ADDRESS: <u>P.O. Box 700</u>	PERMIT NUMBER: <u>ACT/019/006</u>
<u>Nucla, CO 81424</u>	27 SEC. <u>28</u> T. <u>24S</u> R. <u>20E</u> SLBM
REPRESENTATIVE: <u>W. R. Miller</u>	DATE OF APPROVAL: <u>March 21, 1978</u>

(1) Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, require each operator to include with this report and up-dated map and plan prepared in accordance with Rule M-3, providing a detailed status of all mining and reclamation activities which have occurred during the past year. See attached enclosures.

(2) The gross amount of materials moved during the year for this mining operation was: 53,434.00

The disposition of each type of material was: \_\_\_\_\_

Waste: 30,695 Ore: 22,739

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(3) STATUS OF RECLAMATION WORK\* Please refer to attached letter.

<u>Month</u>	<u>Number of Acres</u>	<u>Type of Work Performed</u>	<u>Results (Revegetation Success)</u>
January	_____	_____	_____
February	_____	_____	_____
March	_____	_____	_____
April	≈ 3.0	218 sites/primary reclamation	n/a
May	≈ 2.5	179 sites/primary reclamation	n/a
June	_____	_____	_____
July	_____	_____	_____
August	_____	_____	_____
September	_____	_____	_____
October	_____	_____	_____
November	_____	_____	_____
December	_____	_____	_____

\*The monthly status of reclamation work should include such items as clean-up, regrading, recontouring, soil preparation, seeding, etc., and may be outlined on a separate sheet if necessary.

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COTTER CORPORATION  
Western Slope Operations

DIAL 303-664-7347  
P. O. BOX 700 - AIRPORT ROAD  
NUCLA, COLORADO 81424

MAP INDEX

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UPDATED UNDERGROUND

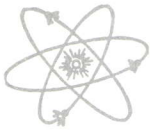
79-X; 80-X

DRILL SITE UPDATED BY NUMBER

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# COTTER CORPORATION

Western Slope Operations

DIAL 303-864-7347  
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NUCLA, COLORADO 81424

January 27, 1981

Mr. James W. Smith, Jr.  
State of Utah  
Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, UT 84116

DIVISION OF  
OIL, GAS & MINING

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Dear Mr. Smith:

Enclosed is the 1980 Annual Operations and Progress Report, Thornburg Memorial ACT/019/006. Included is an updated map series of the mine, new and old drill sites, and MR Form 3.

Most of the drilling done in 1980 was developmental or a continuance of the unfinished 1979 exploration. Some offsets were drilled. Roads already constructed were utilized whenever possible, in some instances no road was required due to the abundance of slick rock.

All of the affected acreage is required for the operation of the mine; therefore, no final reclamation has been done. Experience has shown that primary drill site reclamation, done at the earliest possible convenience, expedites the final reclamation to be done at the end of the mine life. Primary reclamation describes the dispersal of drill cuttings by mixing and covering with topsoil. Also all trash and debris is cleaned up when encountered. Work is confined to the drill site exclusively and the accompanying road is preserved as necessary access.

In 1980 during the months of April and May, 397 drill sites underwent primary reclamation, using tractors with box scrapers. Surface area variability among sites makes an acreage hard to determine accurately. However, I estimate approximately 6 acres were worked. No revegetation has been attempted on these sites to date.

If you have any questions, please don't hesitate to call.

Sincerely yours,

William R. Miller  
Environmental Technician

WRM:pv

Enclosure